PHY 103N - Electromagnetism and Optics Syllabus

Time: Monday 2-5 PM, Unique #53550, RLM 8.320 and RLM 7.114

TA: Deirdre Shoemaker
Office: RLM 9.214 (mailbox on 5th floor)
Office Phone #: 471-5905
Office Hrs: (office) Monday 12:30-1:30 and Friday 1:30-2:30
E-mail: `deirdre@einstein.ph.utexas.edu`
Supervisor: Dr. Markert, RLM 13.314, 471-1039

Description: This is the lab course which accompanies the PHY 303L lecture. You are required to have the 1997 PHY 103N lab manual, a calculator, a ruler and graph paper.

Spring 1998 Schedule

Week of	Lab Performed
2/2	0.W1 Introduction I
2/9	0.W2 Introduction II
2/16	1.W1 DC Circuits
2/23	1.W2 DC Circuits (cont.)
3/2	2.W Electron Dynamics
3/9	3.W Measurements with the Oscilloscope
3/16	Spring Break
3/23	4.W RC Circuits and Filters
3/30	5.W Electromagnetic Induction
4/6	6.W Refraction
4/13	7.W Imaging Optics
4/20	8.W Diffraction and Interference
4/27	9.W Polarization of Light
5/4	Make-up Week

Grading Policy: The grade for this course is based entirely on the worksheets provided in the Lab Manual. The grades will be curved around a B- mean.

Worksheets: Phys 103N labs are in worksheet form designed to be completed in three hours. We meet for 2 hours in room 8.320 and 1 hour in 7.114. **The worksheet will be due one hour later at 5 PM**. During the 2 hour lab period, we will conduct the experiments and produce computer generated graphs. During the hour after lab, we will complete the worksheets analysis and discussion sections. Failure to hand in your worksheet at the end of the third hour, at 5 PM, results in a zero for that worksheet's grade.

Lateness and Absence: Do not be late. Everyone must complete all the Worksheets. In the event of an **excused** absence, you may perform the excused lab during the scheduled make-up day. You must make an appointment with me to do so immediately upon your return to lab.

Academic Honesty: You will generally take your experimental data in groups of two. You must write your own lab worksheets. You are encouraged to work together to understand the material and techniques needed to successfully perform the experiments; but **your calculations and discussion will be your own**. It is important that you learn something from this class, copying the work of others will prevent you from doing this. Fair but appropriate measures will be taken in the case that cheating is suspected.

Electronic Information: A World Wide Web page for this class has been set up at `http://www.ph.utexas.edu/~103n/`